

## ABSTRACT

The present invention relates to a photocatalyst coating liquid capable of forming on an organic substrate a photocatalyst film that is excellent in photocatalytic functions such as super-hydrophilic nature and the performance of maintaining super-hydrophilic nature in a dark place and that has excellent durability, the photocatalyst coating liquid being excellent in stability, and a photocatalyst film formed therefrom, and there are provided a photocatalyst coating liquid comprising (A) titanium oxide fine particles formed of anatase type crystal, (B) colloidal silica and (C) a binder formed of a hydrolysis-condensate of a titanium alkoxide, and having, based on the total solid content, a component (A) content of 5 to 50 mass%, a component (B) content, as a solid content, of 25 to 75 mass% and a component (C) content, as a  $\text{TiO}_2$  solid content, of 10 to 55 mass%, and a photocatalyst film formed from the above coating liquid.